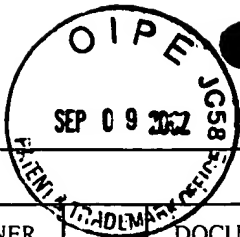


RECEIVED  
SEP 10 2002  
TECH CENTER 1600/2900

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)	Docket Number: ART-00105.P.1.1-US	Application Number: 09/973,629
	Applicant: Cheng et al.	
	Filing Date: October 9, 2001	Group Art Unit: 1641

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	P1	4,160,645	7/10/79	Ullman			
	P2	4,275,149	6/23/81	Litman et al.			
	P3	4,318,980	3/9/82	Boguslaski et al.			
	P4	4,326,934	4/27/82	Pohl			
	P5	4,390,403	6/28/83	Batchelder			
	P6	4,728,500	3/1/88	Higo			
	P7	4,894,443	1/16/90	Greenfield et al.			
	P8	5,344,535	9/6/94	Betts et al.			
	P9	5,454,472	10/3/95	Benecke et al.			
	P10	5,569,367	10/29/96	Betts et al.			
	P11	5,605,662	2/25/97	Heller et al.			
	P12	5,612,474	3/18/97	Patel			
	P13	5,632,957	05/27/97	Heller et al.			
	P14	5,653,859	8/5/97	Parton et al.			
	P15	5,883,760	3/16/99	Yamada et al.			
	P16	5,888,370	3/30/99	Becker et al.			
	P17	5,993,630	11/30/99	Becker et al.			

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	P18	5,993,631	11/30/99	Parton et al.			
	P19	5,993,632	11/30/99	Becker et al.			
	P20	6,029,518	2/29/00	Oeftering			
	P21	6,051,380	04/1/00	Sosnowski et al.			
	P22	6,071,394	6/6/00	Cheng et al.			
	P23	6,280,590	8/28/01	Cheng et al.			
	P24	6,355,491	3/12/02	Zhou et al.			
	P25	6,368,871	4/9/02	Christel et al.			
	P26	6,374,684	4/23/02	Dority			
	P27	2001/0012612	8/09/01	Petersen et al.			
	P28	2002/0025576	2/28/02	Northrup et al.			
	P29	2002/0039783	4/4/02	McMillan et al.			

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Translation	
							YES	NO
	F1	WO 99/38612						
	F2	WO 02/12896						
	F3	WO 02/16647						
	F4	WO 02/27909						
	F5	WO 02/28523						
	F6	WO 02/30562						
	F7	WO 02/31505						
	F8	WO 02/31506						

Examiner Signature		Date Considered	
--------------------	--	-----------------	--



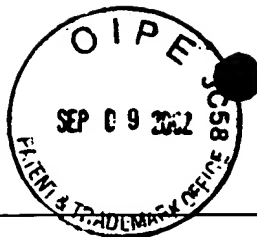
RECEIVED  
SEP 10 2002  
TECH CENTER 1600/2300

### OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

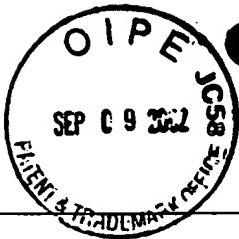
EXAMINER INITIALS		CITATION
	D1	Ahn <i>et al.</i> , A New Toroidal-Meander Type Integrated Inductor With a Multilevel Meander Magnetic Core, <i>IEEE Trans. Magnetics</i> 30:73-79 (1994).
	D2	Ahn <i>et al.</i> , A Fully Integrated Micromachined Magnetic Particle Separator, <i>J. Microelectromechanical Systems</i> 5:151-158 (1996).
	D3	Batra <i>et al.</i> , Insertion of Constant Region Domains of Human IgG <sub>1</sub> into CD4-PE40 Increases its Plasma Half-life, <i>Mol. Immunology</i> 30:379-386 (1993).
	D4	Becker <i>et al.</i> , The removal of human leukaemia cells from blood using interdigitated microelectrodes, <i>J. Phys. D: Appl. Phys.</i> 27:2659-2662 (1994).
	D5	Becker <i>et al.</i> , Separation of human breast cancer cells from blood by deferential dielectric affinity, <i>Proc. Natl. Acad. Sci. USA</i> 92:860-864 (1995).
	D6	Burt <i>et al.</i> , An optical dielectrophoresis spectrometer for low-frequency measurements on colloidal suspensions, <i>J. Phys. E: Sci. Instrum.</i> , 22:952-957 (1989).
	D7	Cheng <i>et al.</i> , Preparation and hybridization analysis of DNA/RNA from <i>E. coli</i> on microfabricated bioelectronic chips, <i>Nat. Biotech.</i> 16:541-546 (1998).
	D8	Cumber <i>et al.</i> , Structural Features of the Antibody-A Chain Linkage that Influence Activity and Stability of Ricin A Chain Immunotoxins, <i>Bioconjugate Chem.</i> 3:397-401 (1992).
	D9	De Gasperis <i>et al.</i> , Microfluidic Cell Separation by 2-dimensional Dielectrophoresis, <i>Biomedical Microdevices</i> 2:41-49 (1999).
	D10	Edman <i>et al.</i> , Electric field directed nucleic acid hybridization on microchips, <i>Nucleic Acids Res.</i> , 25:4907-4914 (1997).
	D11	Effenhauser, C.S. <i>et al.</i> , High-speed separation of antisense oligonucleotides on a micromachined capillary electrophoresis device, <i>Anal. Chem.</i> 66: 2949-2953 (1994).
	D12	Fiedler <i>et al.</i> , Dielectrophoretic Sorting of Particles and Cells in a Microsystem, <i>Anal. Chem.</i> 70:1909-1915 (1998).
	D13	Fiedler <i>et al.</i> , Electrocasting - formation and structuring of suspended microbodies using a.c. generated field cages, <i>Microsystem Technologies</i> 2:1-7 (1995).

Examiner Signature		Date Considered	
--------------------	--	-----------------	--



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D14	Fuhr <i>et al.</i> , Levitation, holding, and rotation of cells within traps made by high-frequency fields, <i>Biochim. Biophys. Acta</i> 1108: 215-223 (1992).
	D15	Fuhr <i>et al.</i> , Particle micromanipulator consisting of two orthogonal channels with travelling-wave electrode structures, <i>Sensors and Actuators A</i> . 41-42: 230-239 (1994).
	D16	Fuhr <i>et al.</i> , Dielectrophoretic field cages: technique for cell, virus and macromolecule handling, <i>Cellular Engineering</i> 1: 47-57 (1995).
	D17	Fuhr <i>et al.</i> , Positioning and Manipulation of Cells and Microparticles Using Miniaturized Electric Field Traps and Travelling Waves, <i>Sensors and Materials</i> 7:131-146 (1995).
	D18	Gascoyne <i>et al.</i> , Dielectrophoretic Separation of Cancer Cells from Blood, <i>IEEE Transactions on Ind. Appl.</i> 33:670-678 (1997).
	D19	Green and Morgan, Dielectrophoretic Separation of nano-particles, <i>J. Phys. D: Appl. Phys.</i> 30:L41-L44 (1997).
	D20	Hagedorn <i>et al.</i> , Traveling-wave dielectrophoresis of microparticles, <i>Electrophoresis</i> 13:49-54 (1992).
	D21	Hagedorn <i>et al.</i> , Design of asynchronous dielectric micromotors, <i>J. Electrostatics</i> , 33:159-185 (1994).
	D22	Harrison, D.J. <i>et al.</i> , Micromachining a Miniaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip, <i>Science</i> , 261:895-897 (1993).
	D23	Hawkes <i>et al.</i> , A dielectrophoretic spectrometer for characterising micro-organisms and other particles, <i>Microbios.</i> 73:81-86 (1993).
	D24	Huang and Pethig, Electrode design for negative dielectrophoresis, <i>Meas. Sci. Technol.</i> , 2:1142-1146 (1991).
	D25	Huang <i>et al.</i> , Differences in the AC electrodynamics of viable and non-viable yeast cells determined through combined dielectrophoresis and electrorotation studies, <i>Phys. Med. Biol.</i> 37: 1499-1517 (1992).
	D26	Huang <i>et al.</i> , Electrokinetic behaviour of colloidal particles in travelling electric fields: studies using yeast cells, <i>J. Phys. D: Appl. Phys.</i> , 26: 1528-1535 (1993).
	D27	Huang <i>et al.</i> , Electrorotational studies of the cytoplasmic dielectric properties of Friend murine erythroleukaemia cells, <i>Phys. Med. Biol.</i> 40: 1789-1806 (1995).

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D28	Huang <i>et al.</i> , Membrane changes associated with the temperature-sensitive P85 <sup>ras-mcs</sup> - dependent transformation of rat kidney cells as determined by dielectrophoresis and electrorotation, <i>Biochim. Biophys. Acta</i> 1282:76-84 (1996)
	D29	Huang <i>et al.</i> , Introducing Dielectrophoresis as a New Force Field for Field-Flow Fractionation, <i>Biophys. J.</i> 73:1118-1129 (1997).
	D30	Huang <i>et al.</i> , Membrane dielectric responses of human T-lymphocytes following mitogenic stimulation, <i>Biochim. Biophys. Acta</i> 1417:51-62 (1999).
	D31	Hughes <i>et al.</i> , Manipulation of herpes simplex virus type 1 by dielectrophoresis, <i>Biochim. Biophys. Acta</i> , 1425:119-126 (1998).
	D32	Huston <i>et al.</i> , Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in <i>Escherichia coli</i> , <i>Proc. Natl. Acad. Sci. USA</i> , 85:5879-5883 (1988).
	D33	Kronick, P. L., Magnetic Microspheres in Cell Separation, <i>Methods of Cell Separation</i> , 3: 115-139 (1980).
	D34	Ladurner <i>et al.</i> , Glutamine, Alanine or Glycine Repeats Inserted in the Loop of a Protein Have Minimal Effects on Stability and Folding Rates, <i>J. Mol. Biol.</i> 273:330-337 (1997).
	D35	Liakopoulos <i>et al.</i> , A Bio-Magnetic Bead Separator On Glass Chips Using Semi-encapsulated Spiral Electromagnets, <i>Transducers</i> 97: 485-488 (1997).
	D36	Lichtenberg <i>et al.</i> , Micro Total analysis Systems 2000, edited by A. Van Den Berg et al., 307-310.
	D37	Markx <i>et al.</i> , Dielectrophoretic characterization and separation of micro-organisms, <i>Microbiology</i> 140:585-591 (1994).
	D38	Morgan, <i>et al.</i> , Large-area travelling-wave dielectrophoresis particle separator, <i>J. Micromech. Microeng.</i> 7:65-70 (1997).
	D39	Morgan <i>et al.</i> , Separation of Submicron Bioparticles by Dielectrophoresis, <i>Biophys. J.</i> 77:516-525 (1999).
	D40	Muller <i>et al.</i> , A 3-D microelectrode system for handling and caging single cells and particles, <i>Biosensors and Bioelectronics</i> 14:247-256 (1999).

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D41	Newton <i>et al.</i> , Angiogenin Single-Chain Immunofusions: Influence of Peptide Linkers and Spacers between Fusion Protein Domains, <i>Biochemistry</i> 35:545-553 (1996)
	D42	Price <i>et al.</i> , Applications of a new optical technique for measuring the dielectrophoretic behaviour of micro-organisms, <i>Biochim. Biophys. Acta</i> 954:221-230 (1988).
	D43	Schnelle <i>et al.</i> , Three-dimensional electric field traps for manipulation of cells - calculation and experimental verification, <i>Biochim. Biophys. Acta</i> 1157:127-140 (1993).
	D44	Stephens <i>et al.</i> , The dielectrophoresis enrichment of CD34+ cells from peripheral blood stem cell harvests, <i>Bone Marrow Transplantation</i> 18:777-782 (1996).
	D45	Wang <i>et al.</i> , Selective dielectrophoretic confinement of bioparticles in potential energy wells, <i>J. Phys. D: Appl. Phys.</i> 26:1278-1285 (1993).
	D46	Wang <i>et al.</i> , Non-uniform spatial distributions of both the magnitude and phase of AC electric fields determine dielectrophoretic forces, <i>Biochim. Biophys. Acta</i> . 1243:185-194 (1995).
	D47	Wang <i>et al.</i> , Dielectrophoretic Manipulation of Particles, <i>IEEE Transactions on Industry Appl.</i> 33:660-669 (1997).
	D48	Wang <i>et al.</i> , Dielectrophoretic Manipulation of Cells with Spiral Electrodes, <i>Biophys. J.</i> , 72:1887-1899 (1997).
	D49	Wang <i>et al.</i> , Separation of Polystyrene Microbeads Using Dielectrophoretic/Gravitational Field-Flow-Fractionation, <i>Biophys. J.</i> 74:2689-2701 (1998).
	D50	Washizu <i>et al.</i> , Handling Biological Cells Using a Fluid Integrated Circuit, <i>IEEE Transactions on Industry Appl.</i> 26:352-358 (1990).
	D51	Washizu <i>et al.</i> , Molecular Dielectrophoresis of Biopolymers, <i>IEEE Transactions on Industry Appl.</i> 30:835-843 (1994).
	D52	Whitlow <i>et al.</i> , An improved linker for single-chain Fv with reduced aggregation and enhanced proteolytic stability, <i>Protein Engineering</i> 6:989-995 (1993).
	D53	Xie <i>et al.</i> , Microchip-Based Capillary Electrophoresis Systems, <i>Meth. in Mol. Biol.</i> 162: 67-83.
	D54	Yang <i>et al.</i> , Cell Separation on Microfabricated Electrodes Using Dielectrophoretic/Gravitational Field-Flow Fractionation, <i>Anal. Chem.</i> 71:911-918 (1999).

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--